

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|---|------------------|---------|------------------|
| L1 | 1980 | (Pulse same compression) and Radar | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:05 |
| L2 | 447196 | (Delay\$3 near8 (line or time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:06 |
| L3 | 1805692 | (Tapped or tap or switched or switching) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:06 |
| L4 | 1944029 | (Optical or photonic or photonically) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:06 |
| L5 | 62016 | 2 same 3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:06 |
| L6 | 335 | 1 and 5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:06 |
| L7 | 2495 | 4 same 5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:06 |
| L8 | 38 | 6 and 7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:07 |

| | | | | | | |
|-----|------|---|---|----|-----|------------------|
| L9 | 28 | 8 and @ad<="20040115" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 10:09 |
| L10 | 3506 | ((342/54) or (342/127-137) or (342/139) or (342/140) or (342/145) or (342/146) or (342/195)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/12 10:21 |
| L11 | 1898 | 10 and @ad<="20040115" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 10:09 |
| L12 | 952 | yap.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 10:21 |
| L13 | 79 | yap-daniel.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 10:21 |
| L14 | 36 | ("3205495" "3878520" "4258363" "4330876" "4529986").PN. OR ("4814773"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/12 10:23 |

SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

SERIAL NUMBER

10760021

EAST SEARCH

EAST: search history attached

Search terms:

(Pulse same compression) and Radar

(Delay\$3 near8 (line or time))

(Tapped or tap or switched or switching)

(Optical or photonic or photonically)

(Barker adj (code or coding))

IEEE SEARCH

| Recent Search Queries | Results |
|--|---------|
| <u>#1</u> ((pulse and compression and radar)<in>metadata) | 433 |
| <u>#2</u> (((pulse and compression and radar)<in>metadata))<AND>((delay and (line or time)) and (tapped or tap or switched or switching)<in>metadata)) | 3 |
| <u>#3</u> (((pulse and compression and radar)<in>metadata))<AND>((delay and (line or time)) and (tapped or tap or switched or switching)<in>metadata)) | 3 |

1. Wavelength-controlled photonic true time delay for wide-band applications

Raz, O.; Rotman, R.; Tur, M.;
Photonics Technology Letters, IEEE
Volume 17, Issue 5, May 2005 Page(s):1076 - 1078

2. Microwave resonant compressors and prepulse suppression

Artemenko, S.; Novikov, S.; Yushkov, Y.; Badulin, N.;
Science and Technology, 2003. Proceedings KORUS 2003. The 7th Korea-Russia
International Symposium on
Volume 2, 28 June-6 July 2003 Page(s):262 - 267. vol.2

3. Tapered transducers-design and applications

Solie, L.;
Ultrasonics Symposium, 1998. Proceedings., 1998 IEEE
Volume 1, 5-8 Oct. 1998 Page(s):27 - 37 vol.1

Pulse and compression and Radar and (Optical or photonic or photonically)
(Delay and (Tapped or tap or switched or switching))

- 1. Linear Signal Processing and Ultrasonic Transversal Filters**
Squire, W.D.; Whitehouse, H.J.; Alsup, J.M.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 17, Issue 11, Nov 1969 Page(s):1020 - 1040
- 2. Wavelength-controlled photonic true time delay for wide-band applications**
Raz, O.; Rotman, R.; Tur, M.;
Photonics Technology Letters, IEEE
Volume 17, Issue 5, May 2005 Page(s):1076 - 1078
- 3. Gigabit electronics—A review**
Bosch, B.G.;
Proceedings of the IEEE
Volume 67, Issue 3, March 1979 Page(s):340 - 379
- 4. Superconductive tapped delay lines for microwave analog signal processing**
Withers, R.; Anderson, A.; Wright, P.; Reible, S.;
Magnetics, IEEE Transactions on
Volume 19, Issue 3, May 1983 Page(s):480 - 484
- 5. Optical Fiber Delay-Line Signal Processing**
Jackson, K.P.; Newton, S.A.; Moslehi, B.; Tur, M.; Cutler, C.C.; Goodman, J.W.; Shaw, H.J.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 33, Issue 3, Mar 1985 Page(s):193 - 210
- 6. Sequential noise spectral shaping in ADPCM**
Asmuth, J.; Gibson, J.;
Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Signal Processing], IEEE Transactions on
Volume 32, Issue 2, Apr 1984 Page(s):228 - 235
- 7. A scalable multiwavelength multihop optical network: a proposal for research on all-optical networks**
Brackett, C.A.; Acampora, A.S.; Sweitzer, J.; Tangonan, G.; Smith, M.T.; Lennon, W.; Wang, K.-C.; Hobbs, R.H.;
Lightwave Technology, Journal of
Volume 11, Issue 5, May-June 1993 Page(s):736 - 753
- 8. High temperature superconductive wideband compressive receivers**
Lyons, W.G.; Arsenault, D.R.; Anderson, A.C.; Sollner, T.C.L.G.; Murphy, P.G.; Seaver, M.M.; Boisvert, R.R.; Slattery, R.L.; Ralston, R.W.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 44, Issue 7, July 1996 Page(s):1258 - 1278
- 9. Comparison of optical processing techniques for optical microwave signal generation**
Lowery, A.J.; Gurney, P.C.R.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 46, Issue 2, Feb. 1998 Page(s):142 - 150
- 10. Generation of <3 ps optical pulses by fibre compression of gain-switched InGaAsP DFB laser diode pulses**
Hawkins, R.T.;
Electronics Letters
Volume 26, Issue 5, 1 March 1990 Page(s):292 - 294

Search strategy

No. Database Search term Info added
since Results

1 INZZ Pulse SAME compression AND
Radar unrestricted 991

2 INZZ

Delay AND (line OR time)

AND (Tapped OR tap OR
switched OR switching) AND
(Optical OR photonic OR
photonicallly)

unrestricted 1164

3 INZZ 1 AND 2 unrestricted 1

Saved: 12-Oct-2005, 16:14:44 CET

3

INSPEC -- 1969 to date (INZZ)

Subband-domain signal processing for *radar* array systems.

Author(s)

Rabinkin-D-V; Pulsone-N-B.

Source

Advanced Signal Processing Algorithms, Architectures, and Implementations IX, Denver, CO,
USA, 19-21


July 1999.

p.174-87, 1999.

IP.COM SEARCH

Search terms:

Pulse and compression and Radar and Delay and (line or time) and (Tapped
or tap or switched or switching) and (Optical or photonic or photonicallly)

Result # 1 Relevance: 

A History of the Information Processing Techniques Office of the Defense Advanced Research Projects Agency

1992-10-01

IPCOM000127913D

English (United States)

This report has been sponsored by the Computing Systems Technology Office and the Software and
Intelligent Systems Technology Office of the Defense Advanced Research Projects Agency, and has been
prepared under NASA-Ames Research Grant NAG 2-532, subcontract USC/PO 473764. ...

Result # 2 Relevance: 

What Can Be Automated?: The Computer Science and Engineering Research Study (COSERS)

1980-01-01

IPCOM000128748D

English (United States)

It is truly difficult to capture with a single question the essence of research in a diverse and very active area
of science and technology, but the query in the title comes very close. This questions was first posed by the
late Professor George Forsythe of Stanford ...

FILEVIEWEDITToolsUSPACHelp

Drifts

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UDC

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Trash

US-PGPUB USPAT 16008

Details

342:54
342/127-137
342/139
342/140
342/143
342/146
342/195

Document ID
L1: (1960) (Pulse time compression) and Radius
L2: (447196) (Delay) 33 bits (line or time)
L3: (1805692) (Tapped or tap or switched or switching)
L4: (1944029) (Optical or photonic or photomically)
L5: (62016) 2 same 3
L6: (335) 1 and 5
L7: (2495) 4 same 3
L8: (38) 6 and 7
L9: (28) 3 and @ad=20040115
L10: (3506) ((342/54) or (342/127-137) or (342/139) or (342/140) or (342/143) or (342/146) or (342/195))
L11: (1898) 10 and @ad=20040115
L12: (952) ynp in
L13: (79) ynp-durad in
L14: (36) Combined citation search 1

Search Terms

Total

USPAT

US-PGP

EPO

JPO

Deriv.

1 342/127 511

2 342/128 444

3 342/129 157

4 342/130 76

5 342/131 139

6 342/132 248

7 342/133 159

8 342/134 327

9 342/135 268

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7/10/04